

# Inventor: Tsichlis Title: Nucleic Acid Molecule for Enhancing Gene Expression

Serial No. 09/202,549

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# Figure 1

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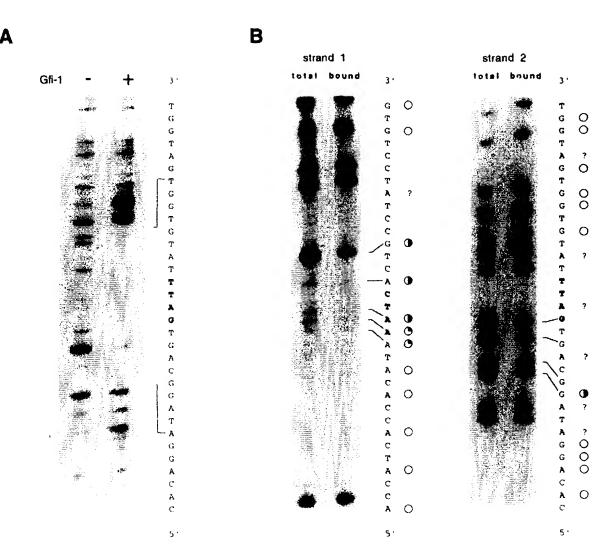


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Figur 2



Title: Nucleic Acid Molecule for

Serial No. 09/202,549 Inventor: Tsichlis Enhancing Gene Expression

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R21 CACCACATAAATCACTGCCTATCC

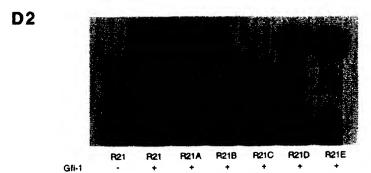
R21A CACCACATAGATCACTGCCTATCC

R21B CACCACATAACTCACTGCCTATCC

R21C CACCACATAAATAACTGCCTATCC

R21D CACCACATAAATCAATGACTGCCTATCC

R21E



CACCACATAAATCACTTCCTATCC

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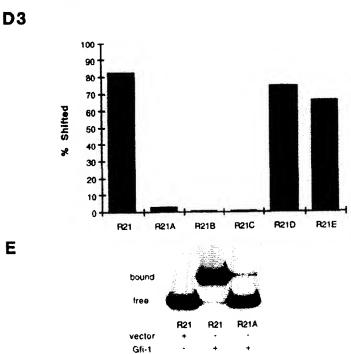


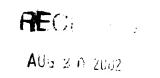
Figure 2



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#### **HCMV MIE Promoter**

Gfi-1 consensus TAAATCAC $\frac{A}{T}$ GCA

Gfi-1 site #1 (-157 to -168) GAAATCCCCGTG

Gfi-1 site #2 (-111 to -100) AAAATCAACGGG

Figure 3



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#### **Point Mutations**

	Gfi-1 site #1	Gfi-1 site #2			
Wildtype CMV	CACGGGGATTTC	AAAATCAACGGG			
Mutant A	CACGGGGAGTTC	AAACTCAACGGG			
Mutant B	CACGGGACTTTC	AAAACTAACGGG			

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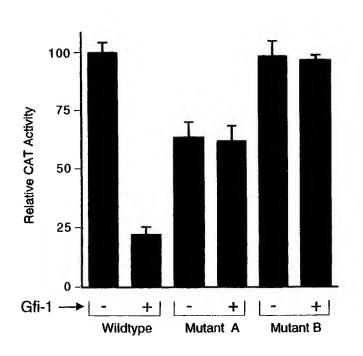


Figure 3





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Α					В				TECH CENTER 1600/2900
	Gfi-1	Binding	Site				_ 3'	5'	,
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	[ <del>-</del>	3'	3'	5'		<u> </u>			
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		5'	5'	3'			J	5'	

Figure 4